

ABSTRACT OF THE DISCLOSURE

A first diode is connected in series to a transmission port, and a low pass filter having transmission band and reception band as passing band is disposed between the first diode and an antenna
5 port. A second diode is connected between the reception port and the ground. A phase shifting function is provided between the first diode and a reception port, having reception band as passing band, so that the impedance as seen from the first diode to the reception port side is almost open in the transmission band when a
10 current flows in the second diode.